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(54) Title: ANALOGUE NAVIGATION DEVICE

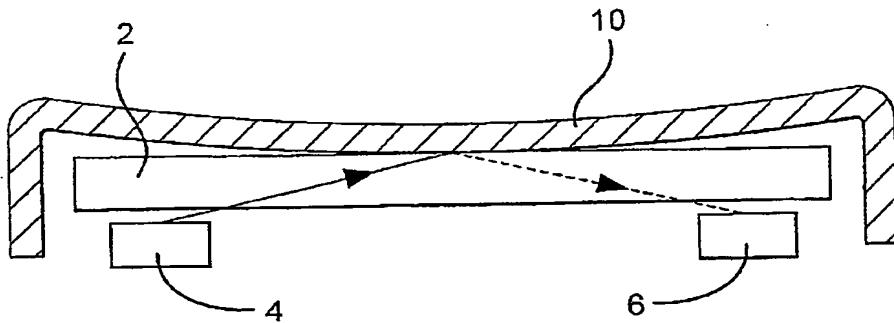
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WO 2005/066754 A1

(57) Abstract: An analogue navigation device comprising a transmitter for generating a light signal, a receiver for receiving the light signal, a light guide having a surface for internally reflecting the light signal from the transmitter to the receiver, and an actuator having a surface, said actuator surface having at least a portion which is movable between a first position in which it is spaced apart from a portion of said light guide surface with a gas or fluid therebetween, and a second position in which it is in contact with said portion of said light guide surface, said portion of said light guide surface having a higher refractive index than said portion of said actuator surface and said portion of said actuator surface having a different refractive index than said gas or fluid, whereby in use the relative refractive index is changed at the contacted portion of the light guide surface thereby altering the light signal received by the receiver, said received signal being used to control the position of an element.